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L17 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1998:102645 HCAPLUS

DOCUMENT NUMBER: 128:226254

TITLE: Proteasome inhibitors for prevention of nerve cell degeneration and apoptosis

INVENTOR(S): Kojima, Shinichi; Ito, Akira

PATENT ASSIGNEE(S): Sumitomo Pharmaceuticals Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

INT. PATENT CLASSIF.:

MAIN: A61K-045/00

SECONDARY: A61K-038/00; C07K-005/068; C07K-005/083; C07K-005/09; C12P-021/02; C07K-005/062; C12R-001/645

CLASSIFICATION: 1-11 (Pharmacology)

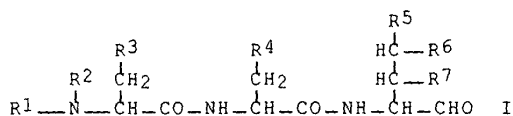
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--------------|------|----------|-----------------|--------------|
| JP--10036289 | A2 | 19980210 | 1996JP-0214208 | 19960724 <-- |

OTHER SOURCE(S): MARPAT 128:226254

GRAPHIC IMAGE:



ABSTRACT:

Proteasome inhibitors (I; R1 = acyl, amino acid residue or protective group; R2 = H, -(CH2)2-, or linkage with R3; R3 = alkyl, carbamoyl, or protected carboxymethyl; R4 = H, alkyl, allyl, carbamoylmethyl; R5, R6, R7 = H, alkyl) e.g. lactacystin, .beta.-lactone-type lactacystin, or descaboxylactacystin are claimed for prevention of nerve cell degeneration and apoptosis. from trauma, surgery, malnutrition, diabetes mellitus, nervous diseases, tumors, or drug toxicity.

SUPPL. TERM: proteasom. inhibitor nerve disease apopto: .
 INDEX TERM: Alzheimer's disease
 Antitumor agents
 Apoptosis
 Diabetes mellitus
 Diabetic neuropathy
 Diabetic retinopathy
 Drug toxicity
 Eye diseases
 Malnutrition
 Nerve degeneration
 Nervous system diseases
 Parkinson's disease
 Surgery
 Trauma
 (proteasome inhibitors for prevention of nerve cell
 degeneration and apoptosis)
 INDEX TERM: 140879-24-9, Organelle, proteasome
 ROLE: BPR (Biological process); BIOL (Biological study);
 PROC (Process)
 (inhibitors; proteasome inhibitors for prevention of
 nerve cell degeneration and apoptosis)
 INDEX TERM: 204638-15-3P 204638-16-4P
 ROLE: BAC (Biological activity or effector, except adverse);
 SPN (Synthetic preparation); THU (Therapeutic use); BIOL
 (Biological study); PREP (Preparation); USES (Uses)
 (proteasome inhibitors for prevention of nerve cell
 degeneration and apoptosis)
 INDEX TERM: 133343-34-7, Lactacystin 133407-82-6 144830-87-5
 204638-17-5
 ROLE: BAC (Biological activity or effector, except adverse);
 THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (proteasome inhibitors for prevention of nerve cell
 degeneration and apoptosis)